

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085864.D
 Acq On : 29 Mar 2016 22:25
 Operator : UM/SJ
 Sample : H1970-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Manual Integrations
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 3/30/2016 7:06:52 PM

Quant Time: Mar 30 01:49:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115289	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	452683	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	186669	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	295342	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	223108	20.00	ng	-0.01
86) Perylene-d12	15.39	264	220903	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	943520	136.30	ng	0.00
7) Phenol-d6	6.45	99	1069278	121.49	ng	-0.01
23) Nitrobenzene-d5	7.37	82	665412	82.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	198244	111.78	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	834219	74.67	ng	-0.02
78) Terphenyl-d14	12.92	244	529022	48.76	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	218394	15.42	ng	98
70) Phenanthrene	11.35	178	140634	9.27	ng	98
74) Fluoranthene	12.54	202	149270	9.26	ng	92
77) Pyrene	12.77	202	140234	7.65	ng	99
80) Benzo(a)anthracene	13.96	228	77249	6.07	ng	97
82) Chrysene	13.99	228	75995m	5.93	ng	
83) Bis(2-ethylhexyl)phthalate	13.98	149	44327	4.82	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.76	276	44731	4.52	ng	# 90
87) Benzo(b)fluoranthene	14.99	252	117268m	8.43	ng	
88) Benzo(k)fluoranthene	15.00	252	29234m	2.33	ng	
89) Benzo(a)pyrene	15.33	252	73452	5.94	ng	97
91) Benzo(g,h,i)perylene	17.18	276	41437	3.56	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

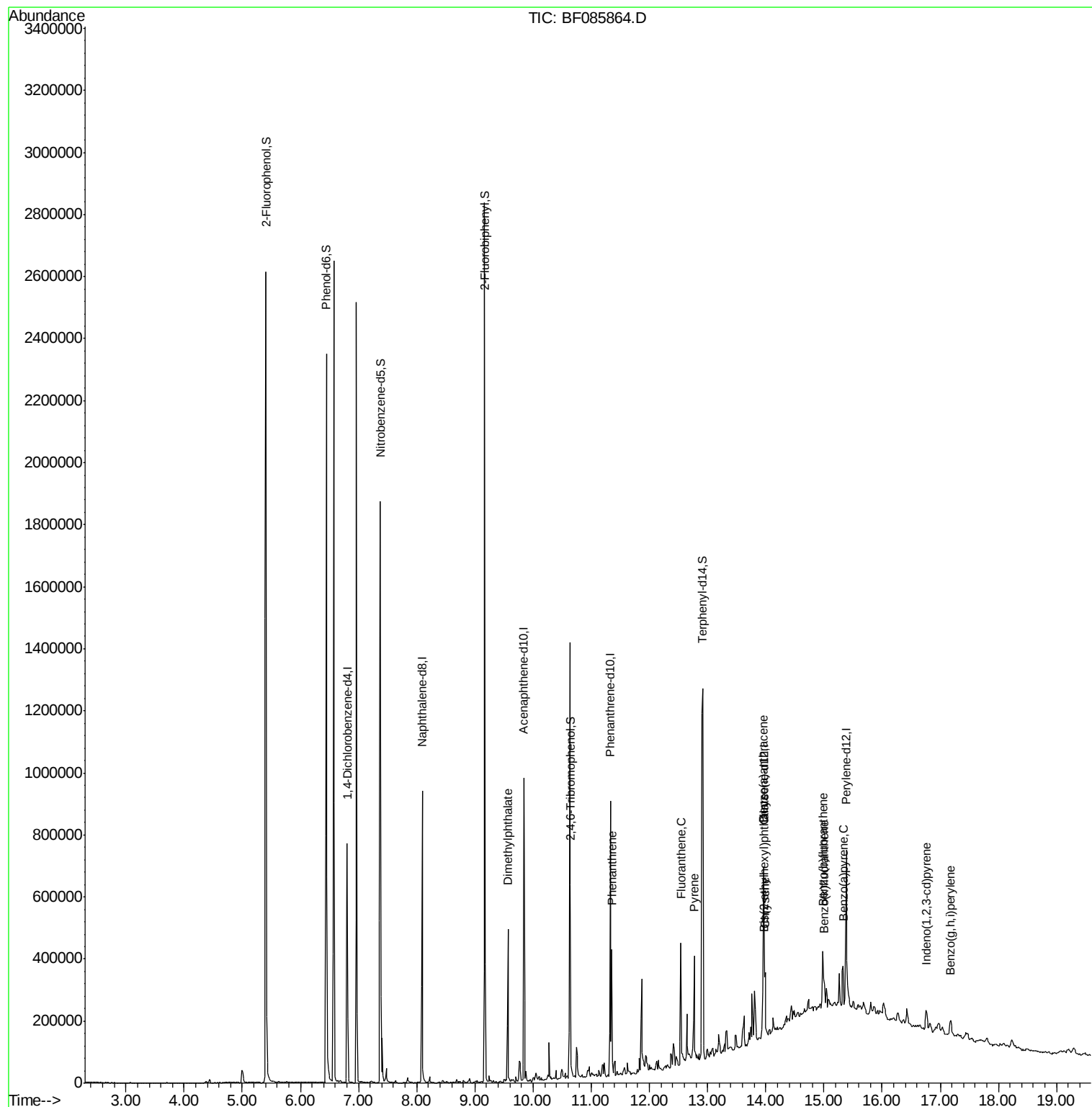
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
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TP-6

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

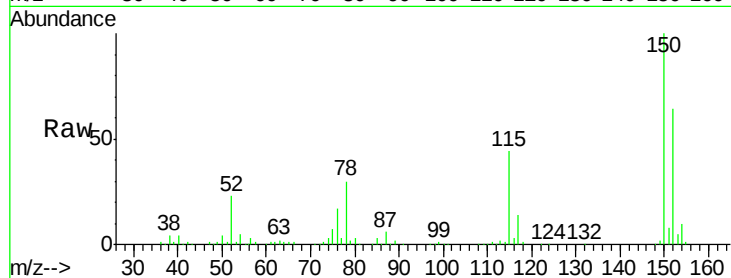
ClientSampled :

TP-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.2	186.2
115	68.5	47.0	70.6

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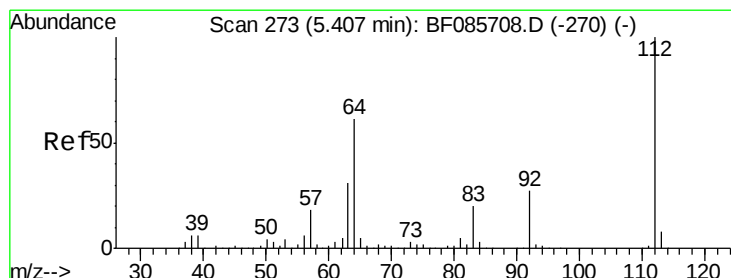
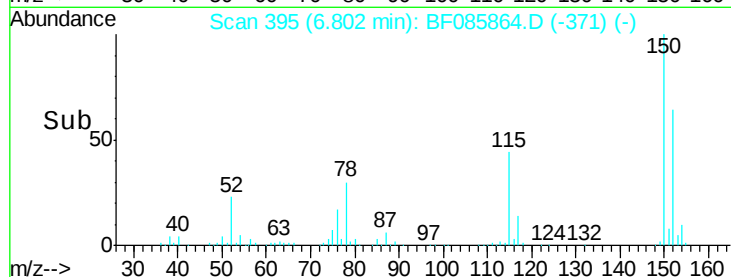
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#5

2-Fluorophenol

Concen: 136.30 ng

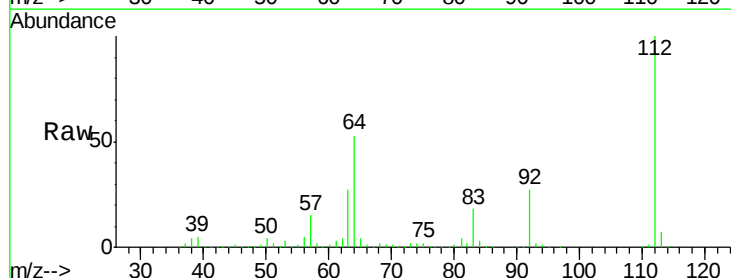
RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.9	59.9
63	26.7	20.2	30.2



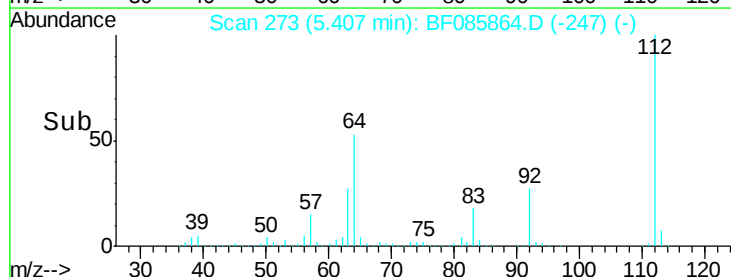
Abundance

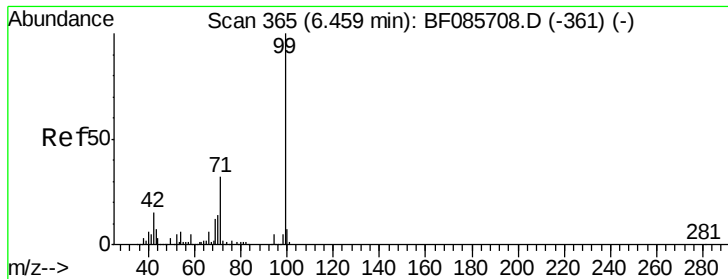
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 121.49 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085864.D

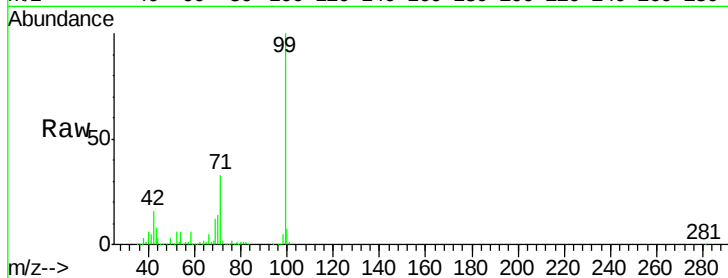
Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6



Tgt Ion: 99 Resp: 1069278

Ion Ratio Lower Upper

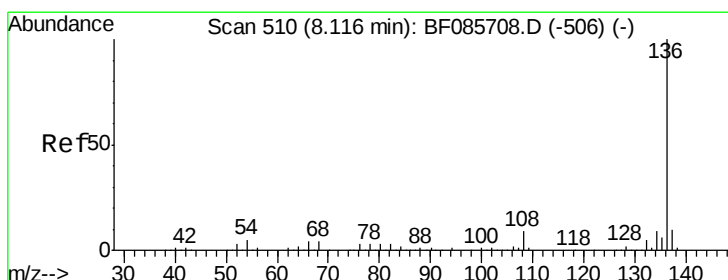
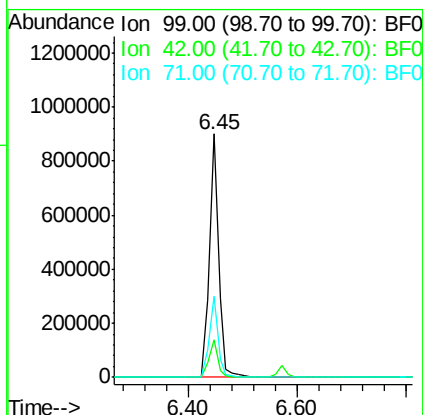
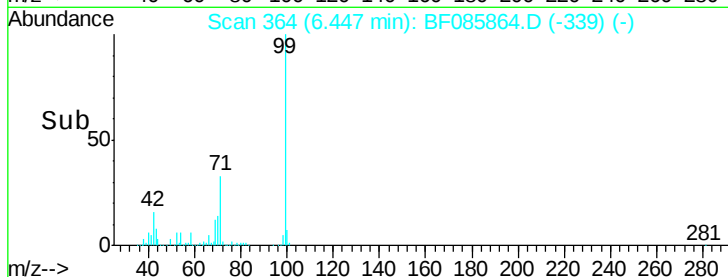
99 100

42 15.5 11.1 16.7

71 33.5 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Tgt Ion: 136 Resp: 452683

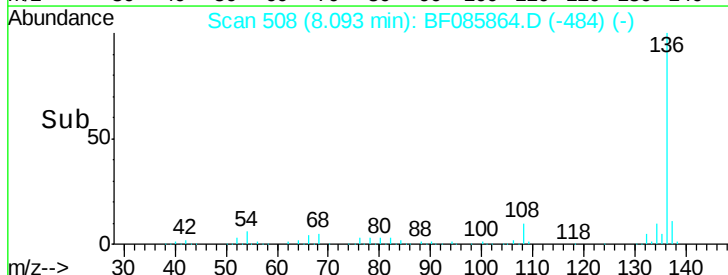
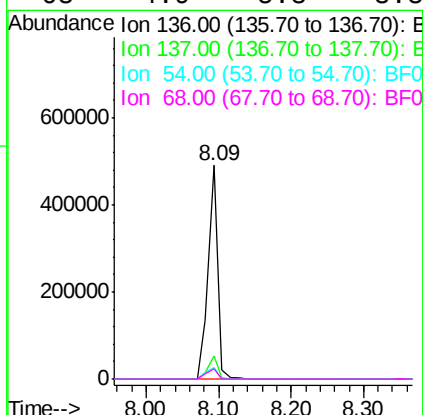
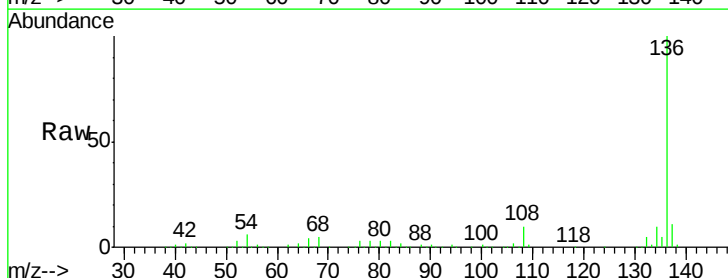
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.6 7.4 11.0#

68 4.9 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 82.78 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

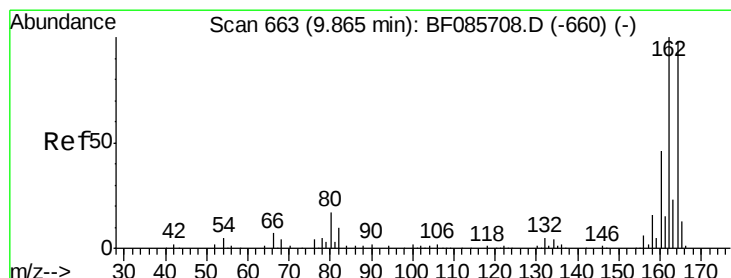
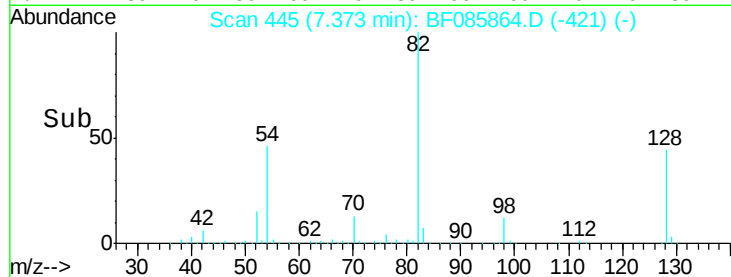
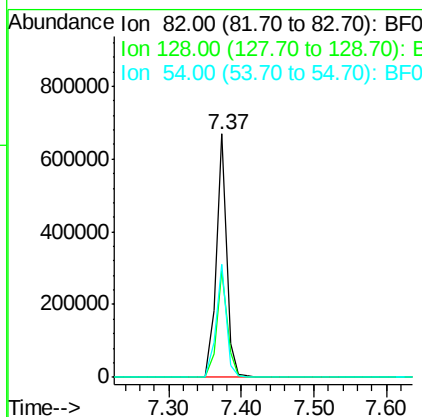
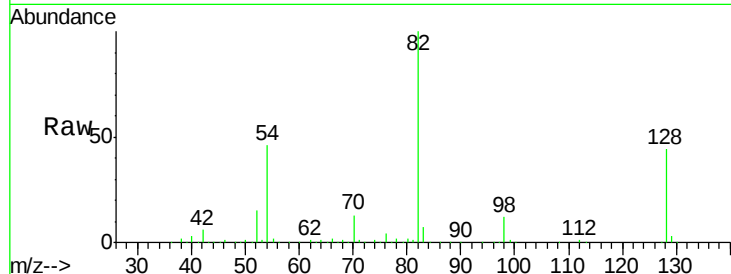
ClientSampled :

TP-6

Tgt Ion:	82	Resp:	665412
Ion Ratio	Lower	Upper	
82	100		
128	43.8	41.8	62.8
54	46.3	33.4	50.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

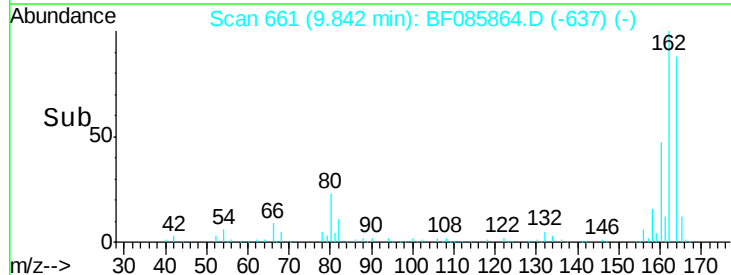
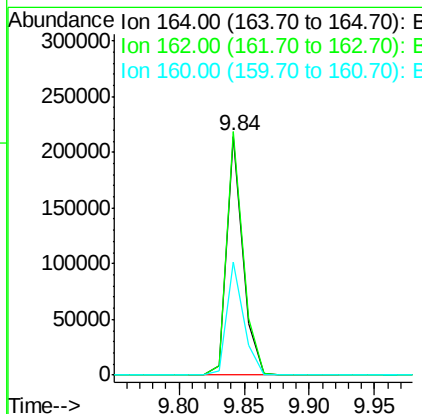
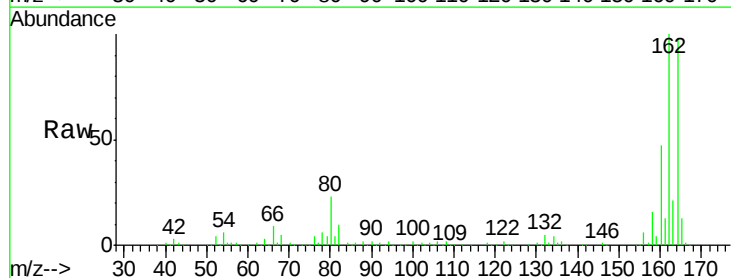
RT: 9.84 min Scan# 661

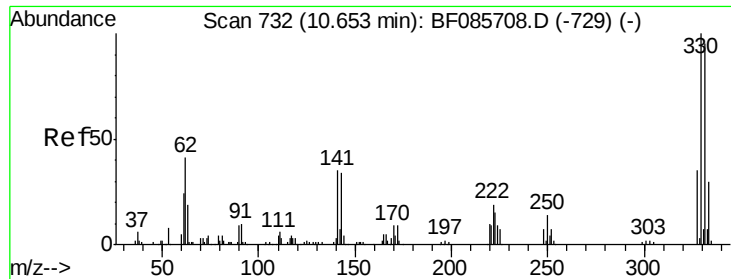
Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Tgt Ion:	164	Resp:	186669
Ion Ratio	Lower	Upper	
164	100		
162	101.9	82.1	123.1
160	47.5	37.4	56.2





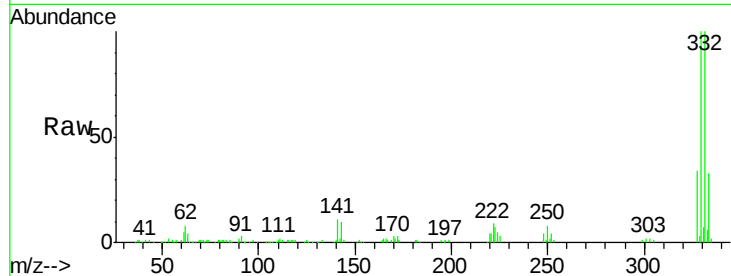
#41
 2,4,6-Tribromophenol
 Concen: 111.78 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Instrument :
 BNA_F
 ClientSampled :
 TP-6

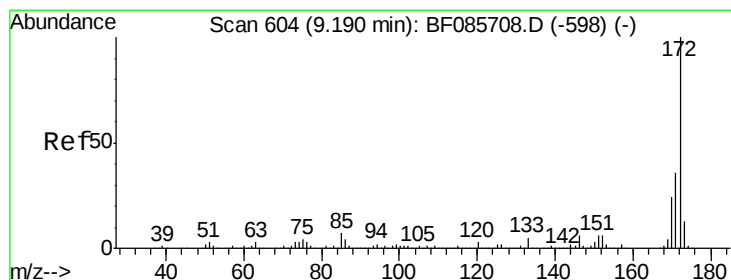
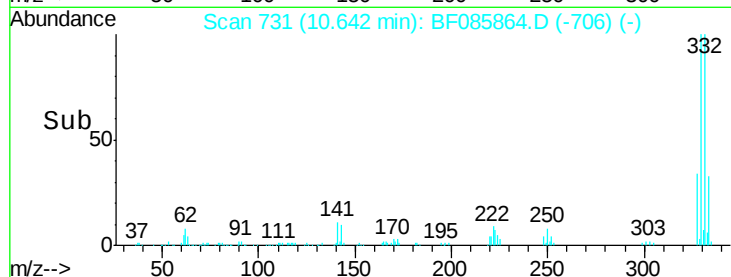
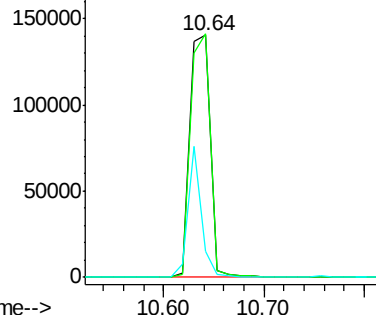
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	198244		
332	97.8	78.2	117.2	
141	35.8	31.5	47.3	

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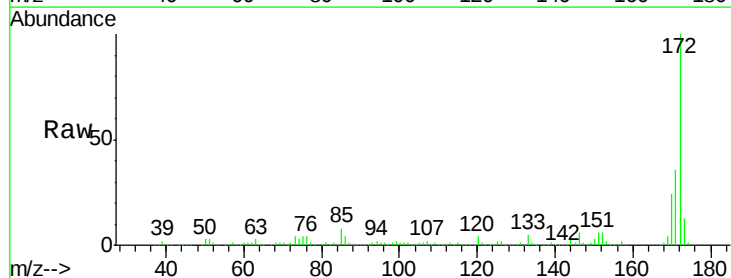


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

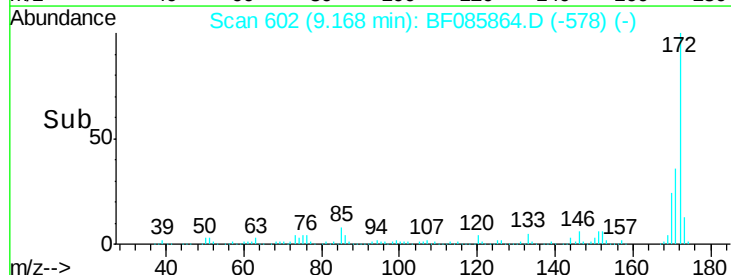
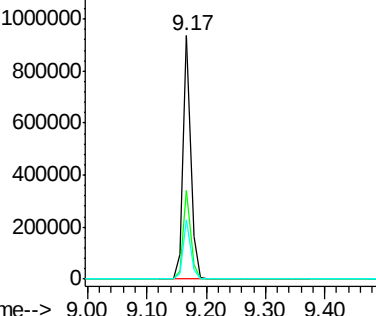


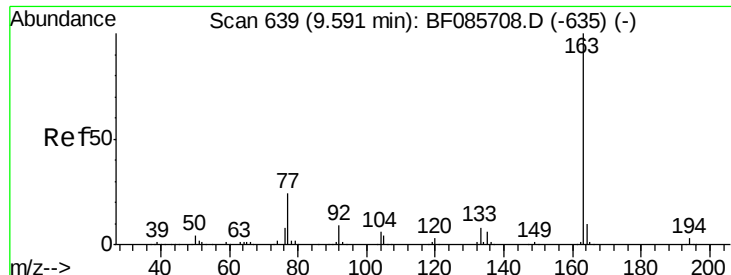
#44
 2-Fluorobiphenyl
 Concen: 74.67 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	834219		
171	36.2	29.4	44.2	
170	24.2	19.8	29.6	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





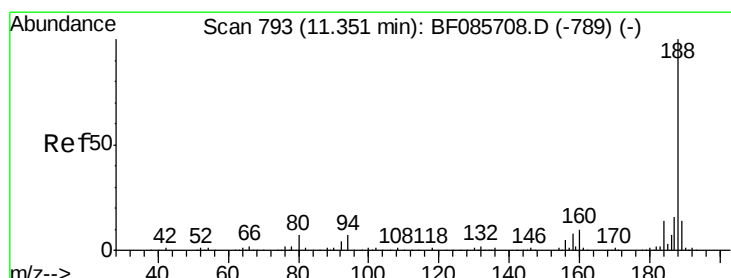
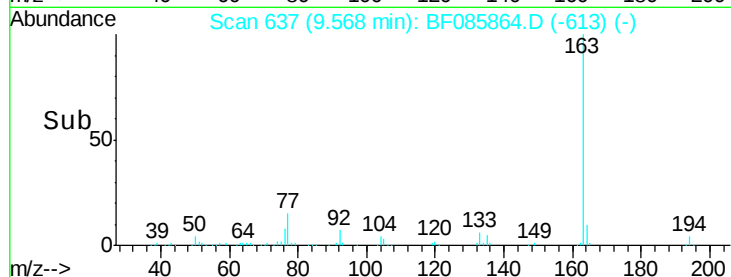
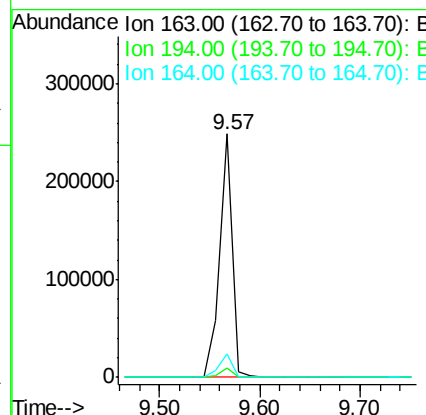
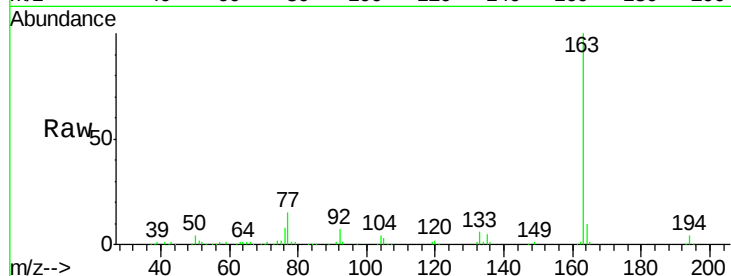
#49
Dimethylphthalate
Concen: 15.42 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	2.9	4.3
164	9.6	8.3	12.5

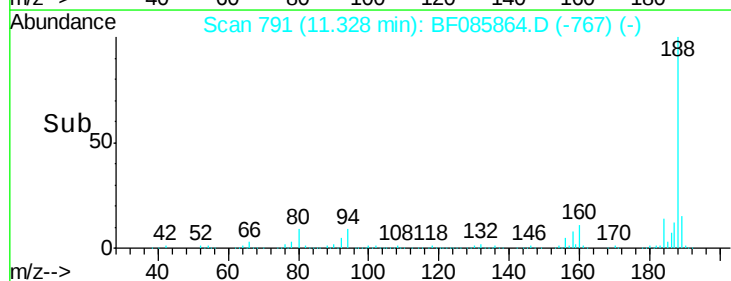
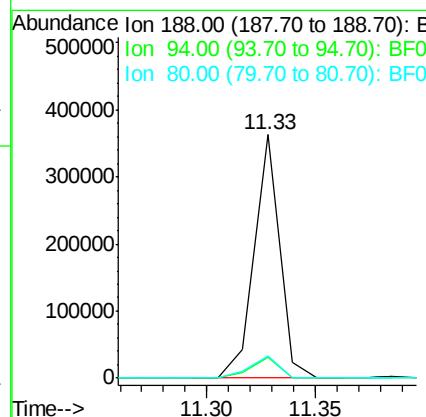
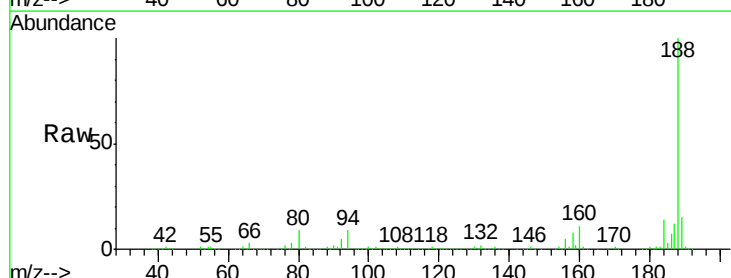
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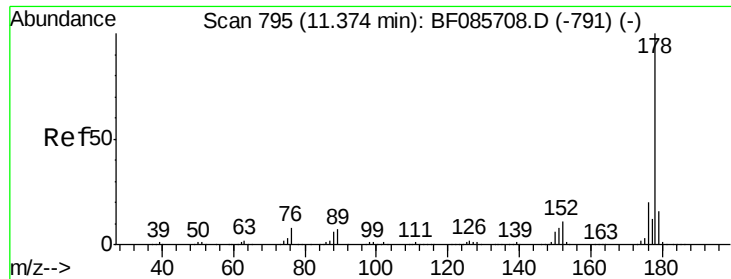
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	5.4	8.0#
80	9.4	5.5	8.3#





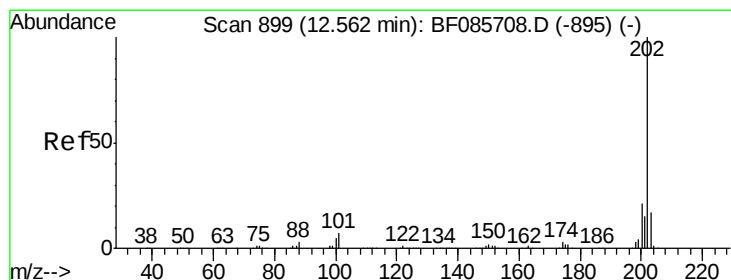
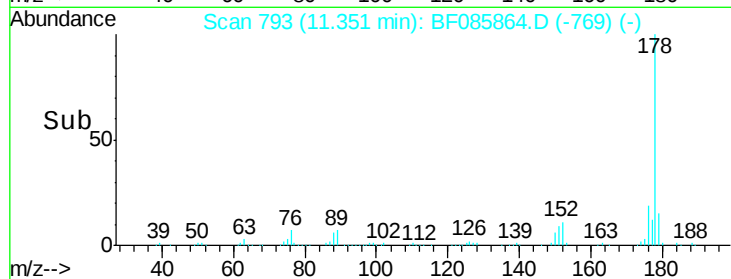
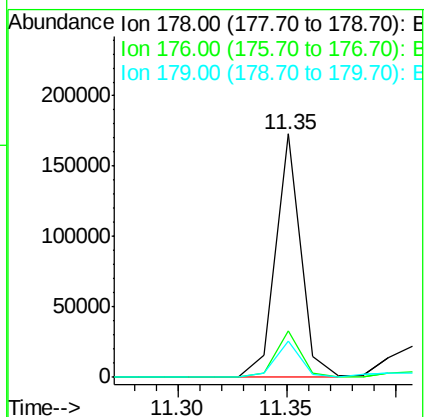
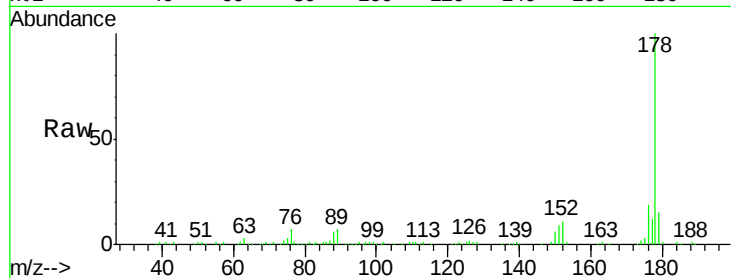
#70
Phenanthrene
Concen: 9.27 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.1	12.6	18.8

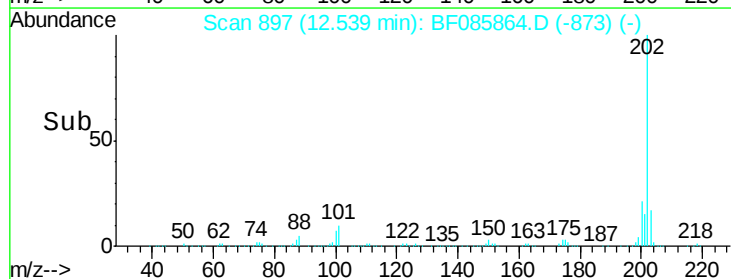
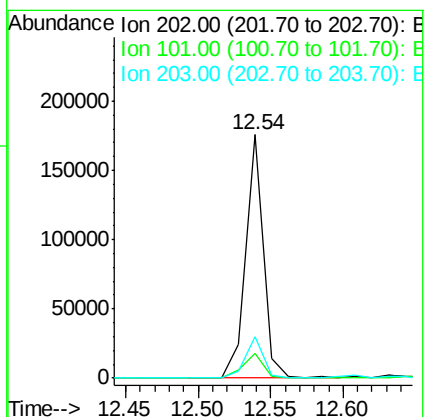
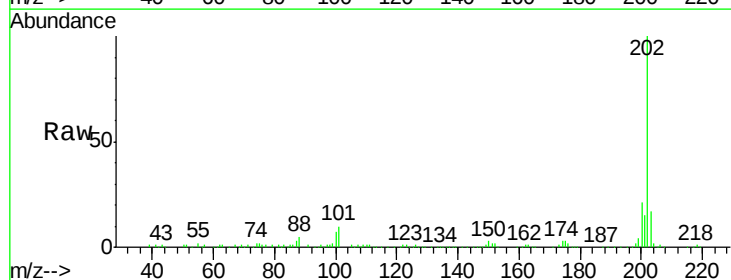
Manual Integrations
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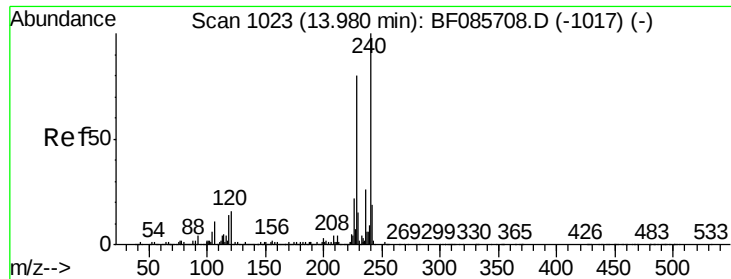
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#74
Fluoranthene
Concen: 9.26 ng
RT: 12.54 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	36.6
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

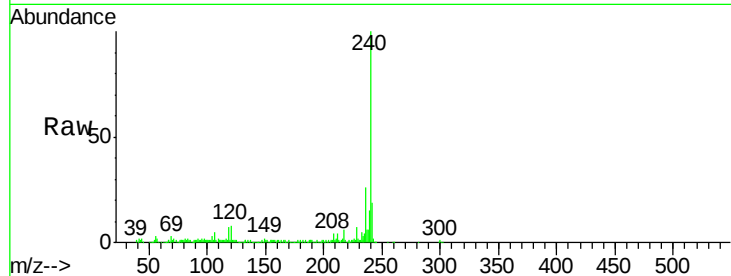
ClientSampled :

TP-6

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		223108		
120	8.0	13.8	20.8#		
236	26.5	20.6	30.8		

Manual Integrations
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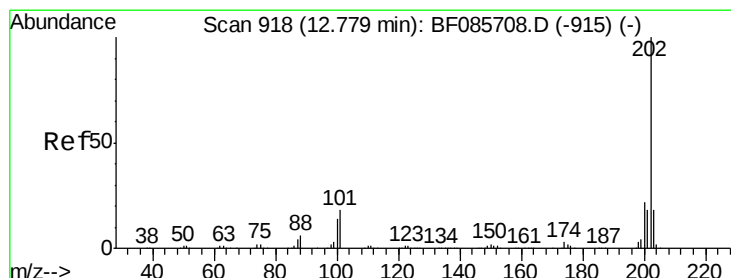
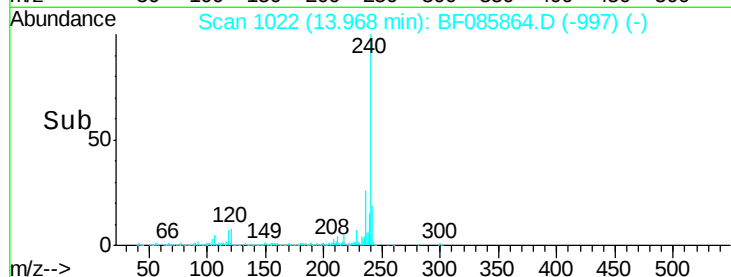
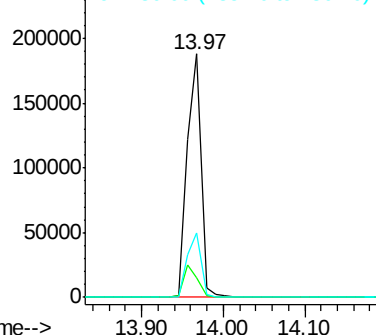
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.65 ng

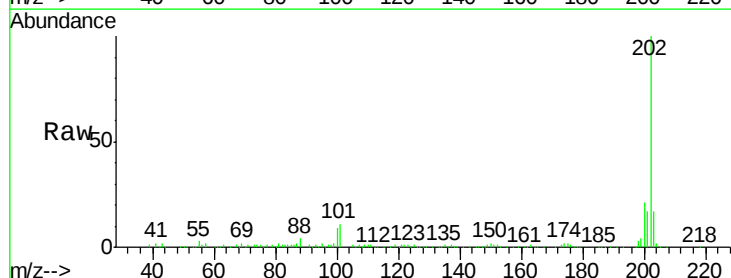
RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

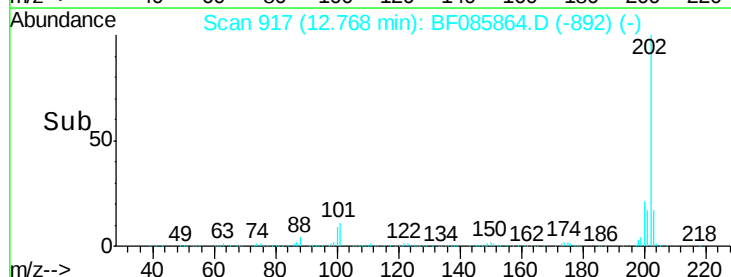
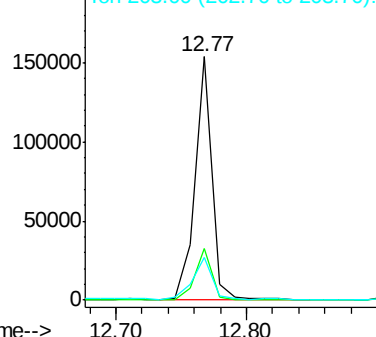
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		140234		
200	21.1	17.6	26.4		
203	17.5	14.0	21.0		

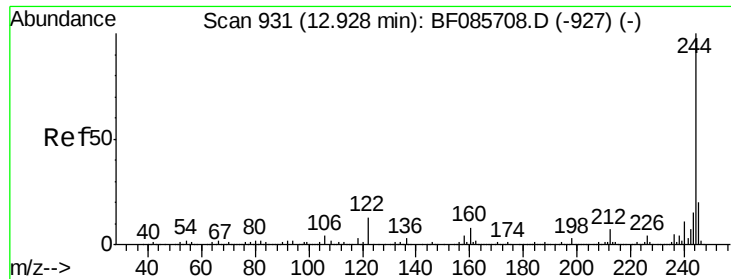


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





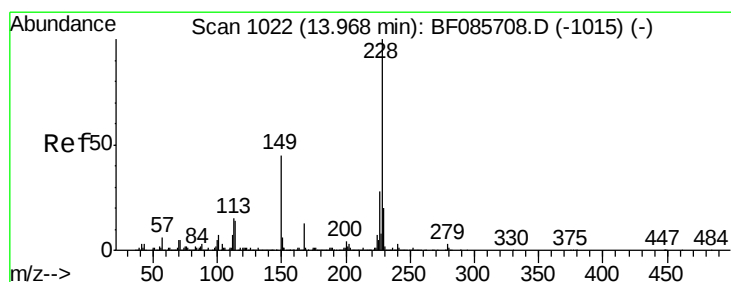
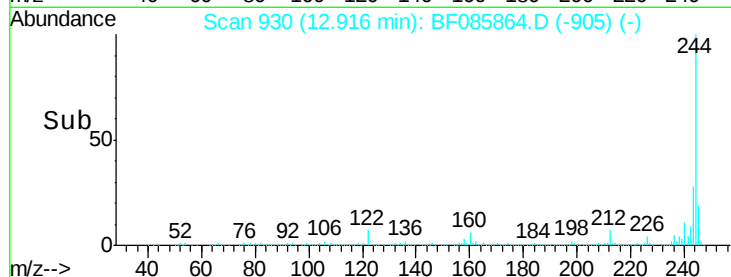
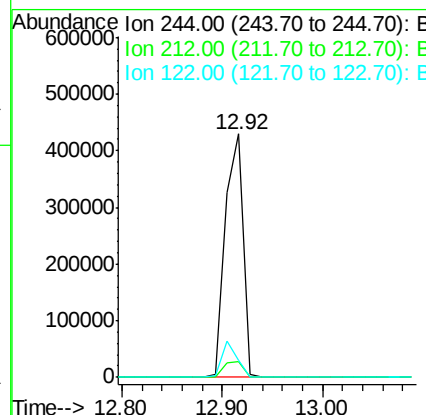
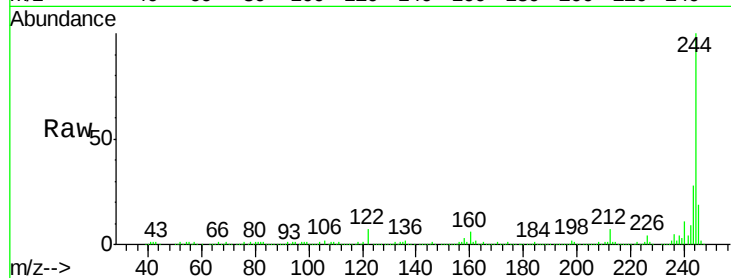
#78
 Terphenyl-d14
 Concen: 48.76 ng
 RT: 12.92 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.1	9.1
122	7.3	10.2	15.4#

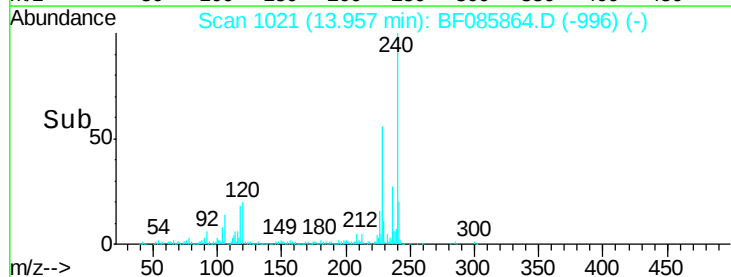
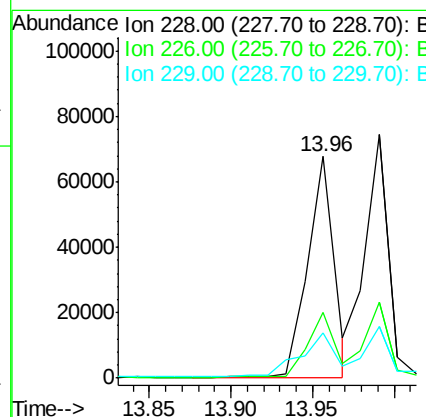
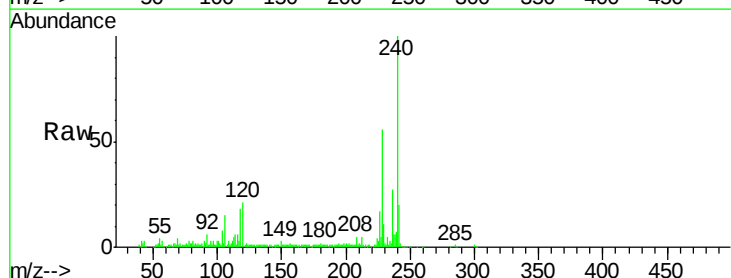
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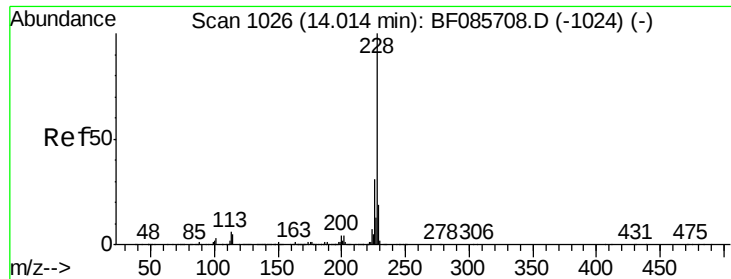
Sohil
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#80
 Benzo(a)anthracene
 Concen: 6.07 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.9	22.1	33.1
229	20.2	16.2	24.4





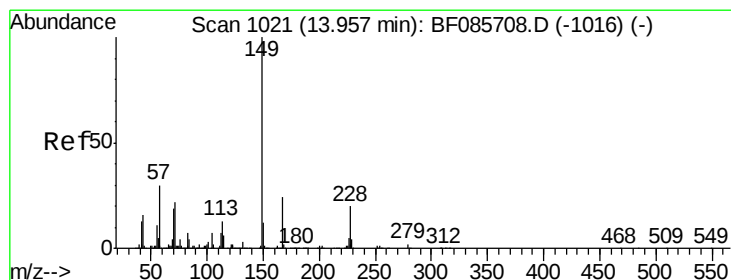
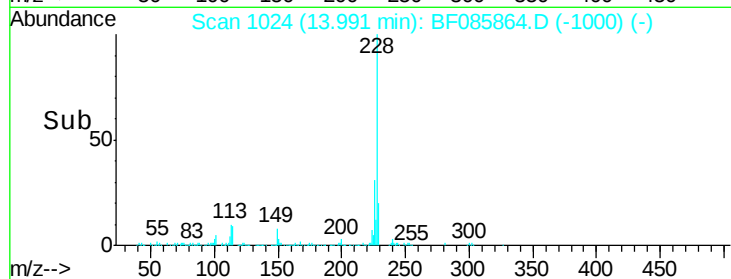
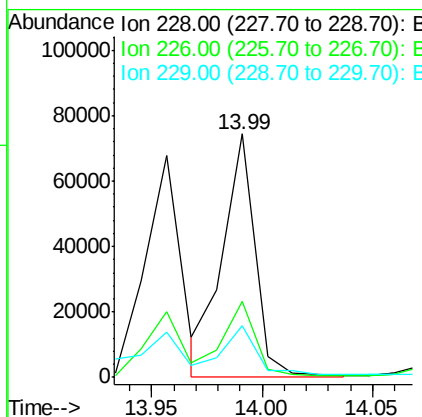
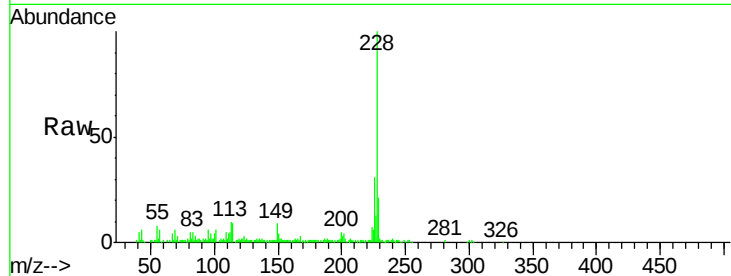
#82
 Chrysene
 Concen: 5.93 ng m
 RT: 13.99 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tgt Ion:	228	Resp:	75995
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.2	15.7	23.5

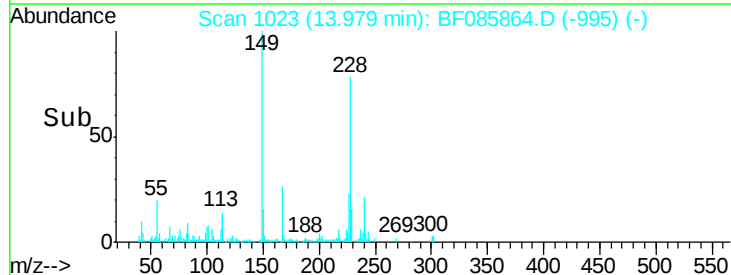
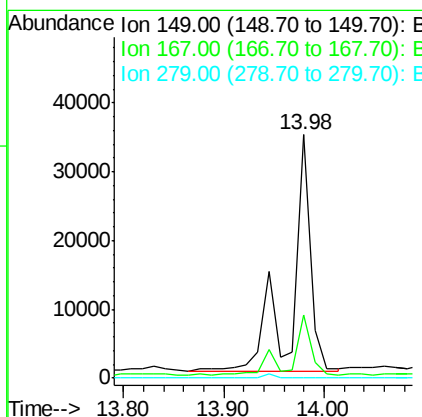
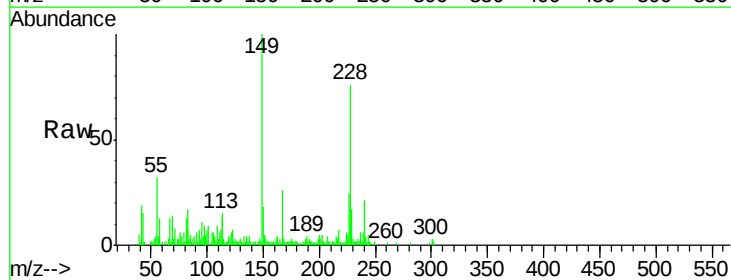
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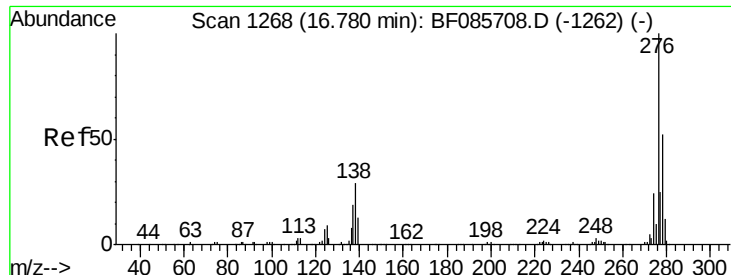
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.82 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. 0.02 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion:	149	Resp:	44327
Ion Ratio	Lower	Upper	
149	100		
167	26.1	19.4	29.2
279	0.0	1.5	2.3#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.52 ng

RT: 16.76 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF085864.D

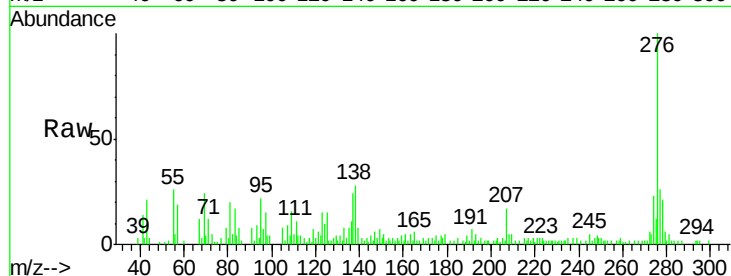
Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

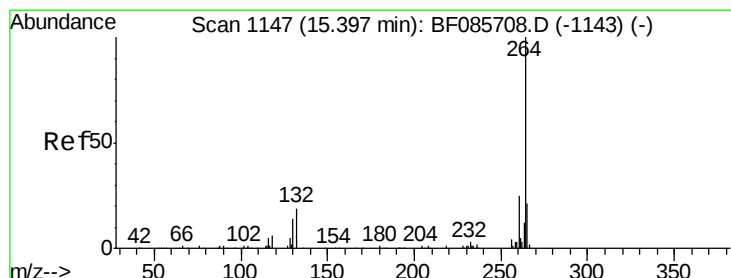
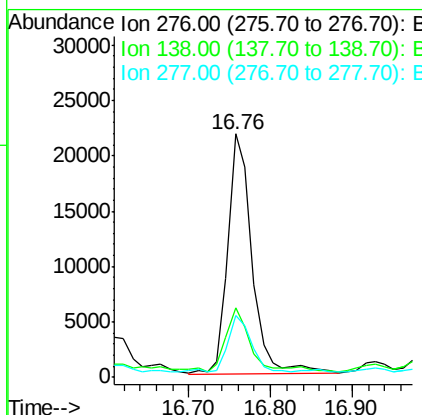
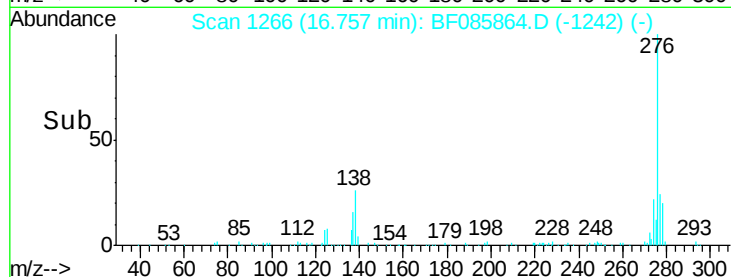
TP-6



Tgt Ion:	276	Resp:	44731
Ion Ratio	Lower	Upper	
276	100		
138	23.1	24.2	36.4#
277	22.3	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

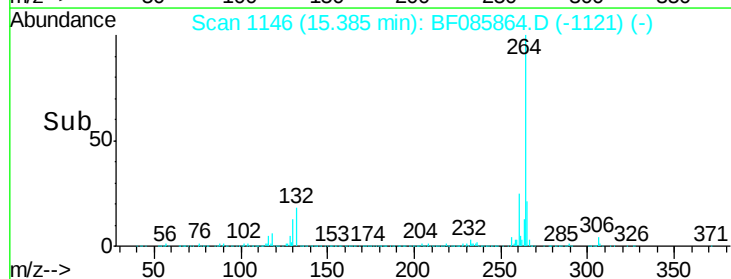
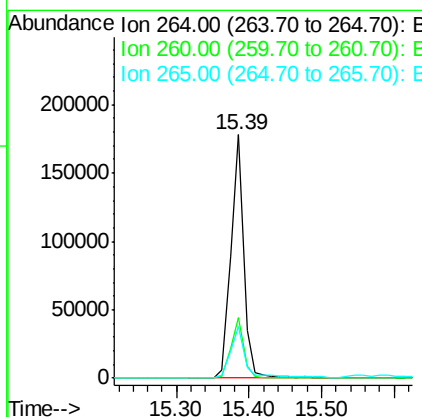
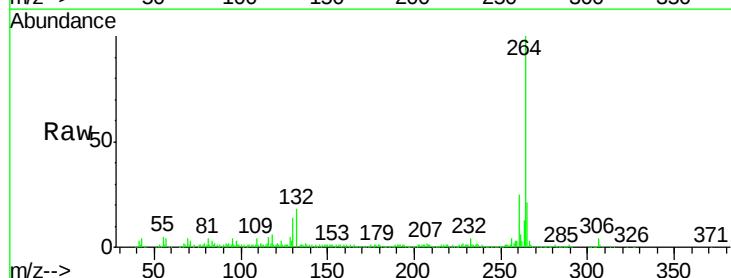
RT: 15.39 min Scan# 1146

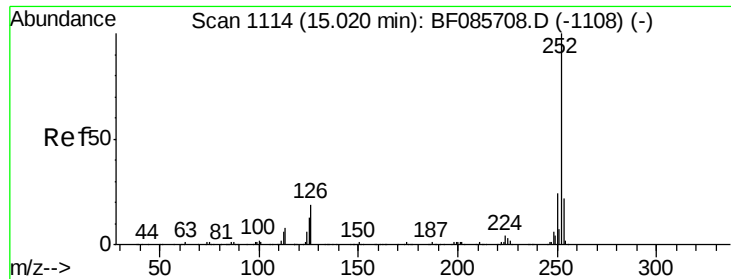
Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Tgt Ion:	264	Resp:	220903
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.4	29.2
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.43 ng m

RT: 14.99 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

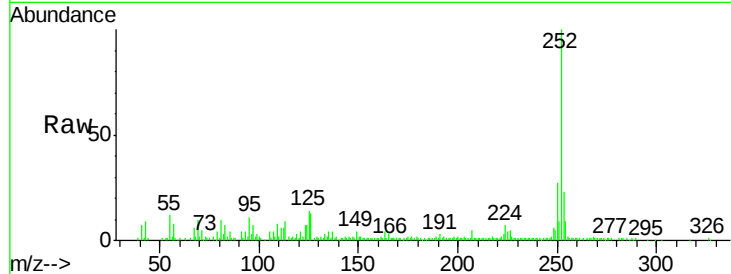
ClientSampled :

TP-6

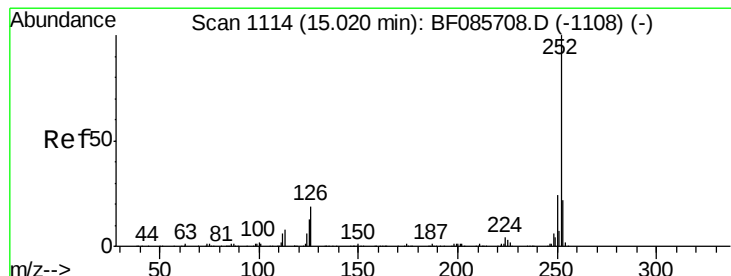
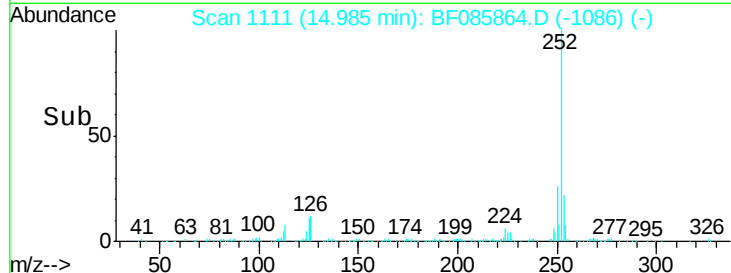
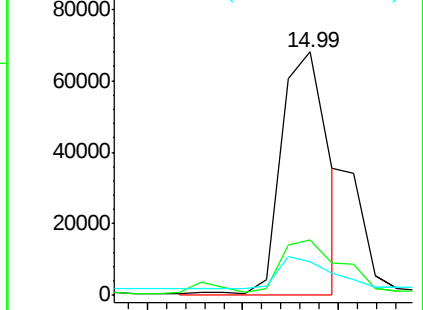
Tgt Ion:	252	Resp:	117268
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	13.7	10.3	15.5

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.33 ng m

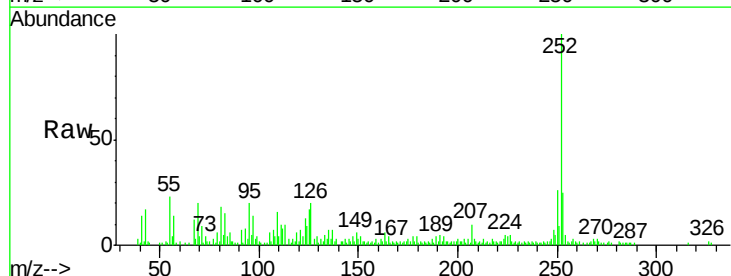
RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

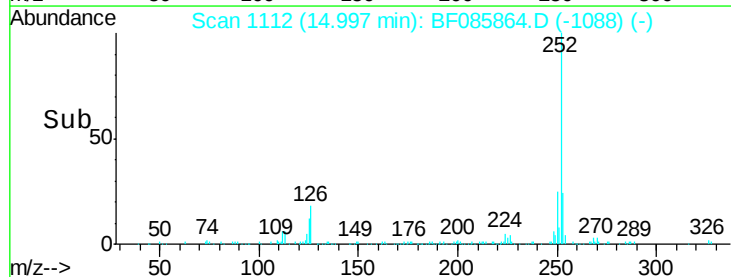
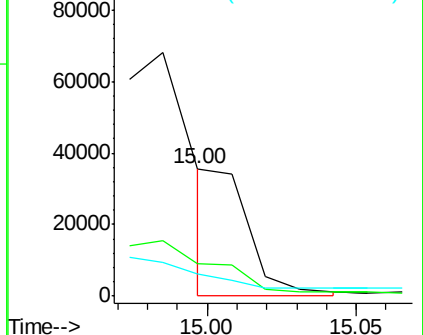
Lab File: BF085864.D

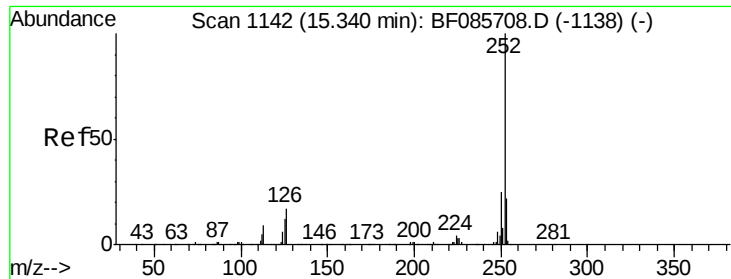
Acq: 29 Mar 2016 22:25

Tgt Ion:	252	Resp:	29234
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.8	26.6
125	17.5	7.7	11.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





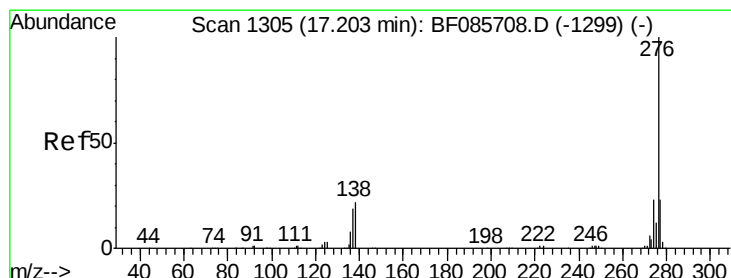
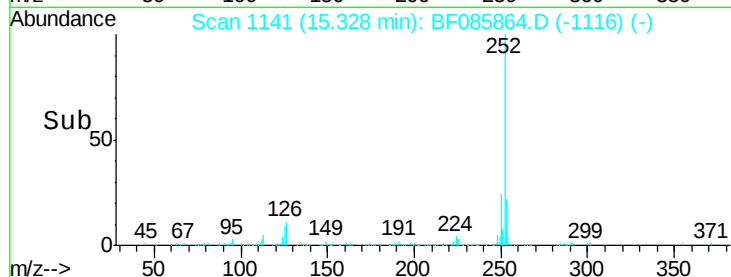
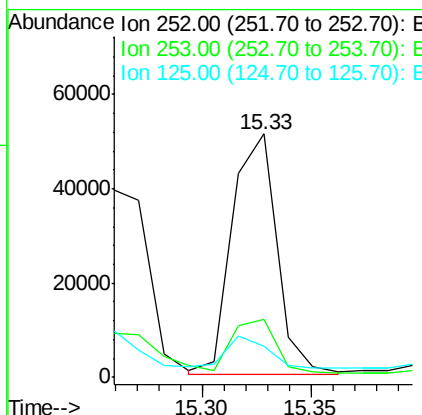
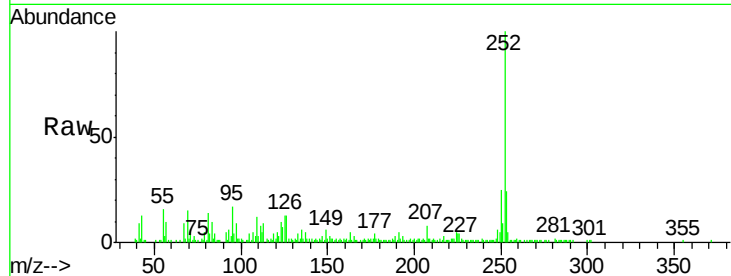
#89
Benzo(a)pyrene
Concen: 5.94 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	13.0	10.3	15.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.56 ng
RT: 17.18 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	23.7	22.6	34.0

